

Objectives

- A set of humans can program a **multi-sensors/multi-actuators** system in a dynamical environment.
- Autonomous applications **running together** build the **interaction with the user**.
- The system is easily **adaptable** and **scalable**.

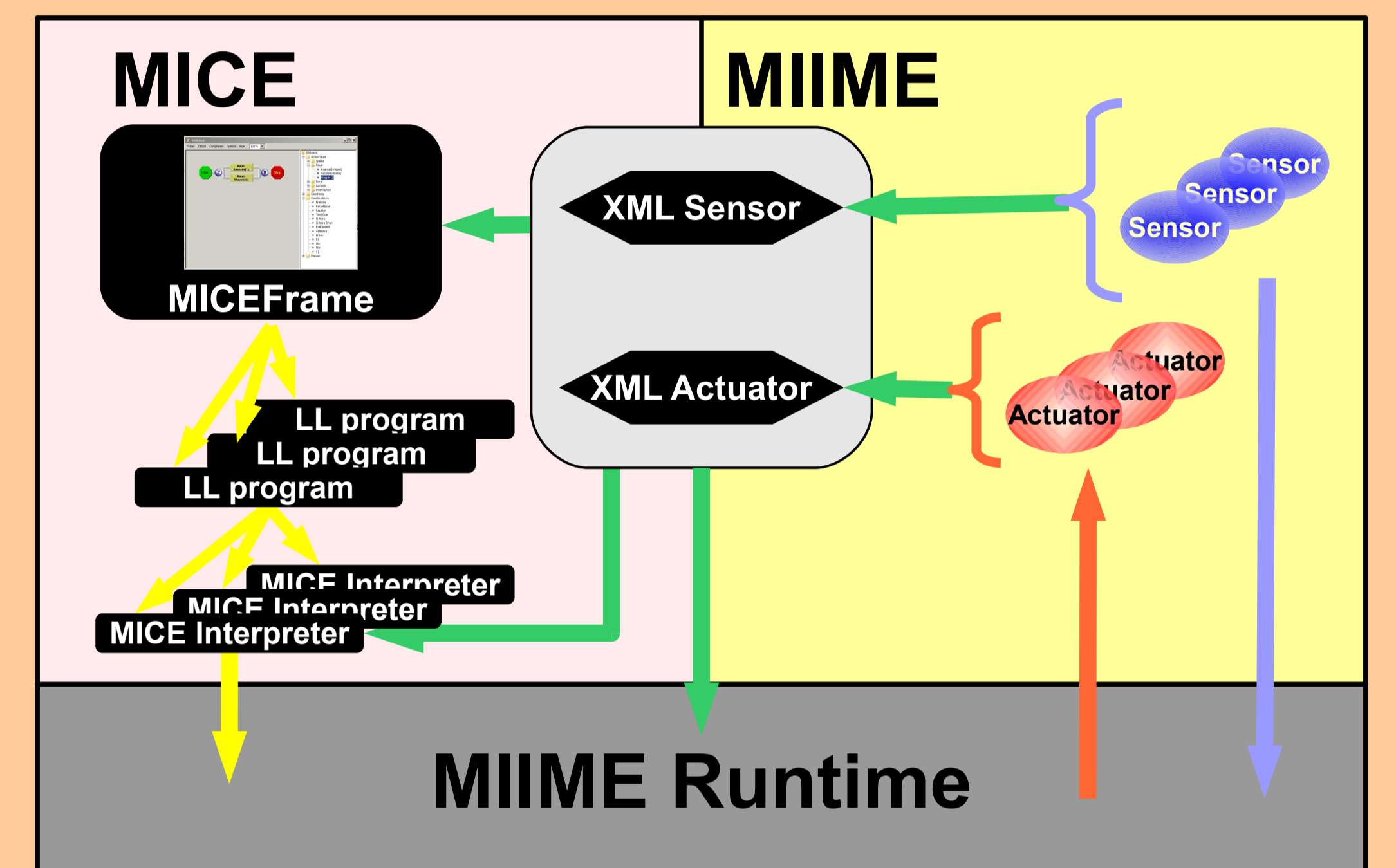
General principle

The system is composed of :

- **MIIME** – Modules for Interaction and Individualization of Machines with Emotions
- **MICE** – Machines Interaction Control in their Environment

MIIME is a **computing protocol** for the **communication** between a set of two kinds of **modules: sensors and actuators**, described by a **XML MIIME Format**. The communication is managed by the **MIIME Runtime**.

MICE is the **programming environment** which allows a set of **service providers** to **configure and use MIIME Modules** for a **specific user**. **MICEFrame** is the graphical user interface which allows programming, creating **LL programs**. **MICEInterpreter** transforms **LL programs** into actions.



Machines Interaction Control in their Environment

